

# Dell Colour Laser Printer 5110cn

## Key Features

- Dell's fastest colour laser printer
- Ideal for departmental or large workgroup use
- Duplex unit (print both sides) as standard
- Crisp output quality in stunning colour at 600 x 600 dots-per-inch – up to 2400 Image Quality

## Productivity

- High-performance – print speed up to 35 A4 pages per minute in colour, 40 ppm in monochrome
- Easy to use graphical LCD front panel
- Wide range of supported media including labels, envelopes, cardstock and transparencies
- Wide range of optional accessories to maximise printer productivity
- Low running costs, with optional high-capacity toner cartridges for optimal cost-per-page
- Robust 95,000 pages per month duty cycle

## Connectivity

- Ethernet networking, Parallel port and USB 2.0 connectivity as standard
- Wide range of supported Operating Systems
- Localised printer driver and documentation available in 12 European languages (English, French, Italian, German, Spanish, Danish, Dutch, Finnish, Norwegian, Polish, Portuguese and Swedish)

## Environmental Benefits

- Each new Dell printer includes full instructions on how to dispose of your old printer quickly, safely and at no charge, using an approved recycling facility



The Dell Colour Laser Printer 5110cn offers outstanding performance to meet the needs of small or large businesses. A fast, high-quality colour laser printer, the 5110cn includes networking and double-sided print capability as standard. Robust specifications include print speeds up to 35 ppm A4 colour and 40 ppm A4 monochrome, up to 95,000 page monthly duty cycle and 2150 page input capacity. Running costs are low with very competitive cost per page in both monochrome and colour print modes, with duplex print capability as standard to minimise paper costs.

From installation to management, the Dell 5110cn is easy to use. Manage Dell network printers remotely with the Dell Printer Configuration Web Tool™. New advanced Dell ColourTrack™ 2 software allows the network administrator to specify and control access to monochrome and/or colour printing output, allowing improved control over printing costs. Dell's Toner Management System™ actively alerts you when toner levels are running low and cartridges are due for replacement. The 5110cn comes standard with one year of Next-Business-Day On-site Service provided by Dell's award-winning service and support staff.

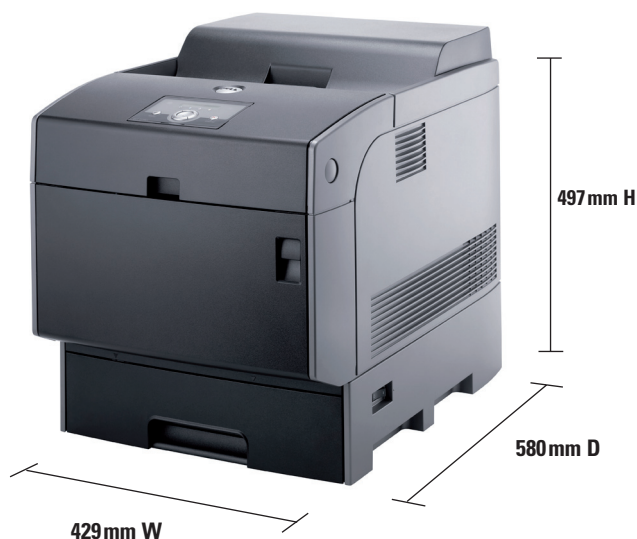
## Dell makes it easy to get more out of printers

### Easy to own

- Quick setup, easy installation and configuration with Web-based Dell Printer Web Tool™
- Supports standard Printer MIB specification for network compatibility with leading printer management software
- 12 months' Next Business Day (NBD) on-site service as standard with extended warranty service options available
- You can use the Dell Online Support site for the most up-to-date drivers, knowledge base articles and technical information about your printer

### Maximise Productivity

- Dell Toner Management System™ automatically monitors level of toner and consumables
- LCD operator panel displays toner level and status of other consumables
- Dell ColorTrack™ 2 delivers advanced colour control management features including designation of colour/monochrome printing, setting print volume and usage tracking on an individual or workgroup basis
- High-performance – print speed up to 35 A4 pages per minute in colour, 40 ppm in monochrome



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# Dell Colour Laser Printer 5110cn

## Features Description

<b>Product description</b>	High-speed networked colour laser printer for workgroup or departmental use
<b>Printer specifications</b>	
<b>Print speed<sup>1</sup></b>	Colour up to 35 A4 pages per minute (ppm), monochrome up to 40 A4 pages per minute (600 x 600 dpi)
<b>First page out time</b>	From 'Ready' state (Simplex A4, 600 dpi, monochrome or colour) 16 seconds or less. From 'Power Saver' mode (Simplex A4, 600 dpi, monochrome or colour) 61 seconds or less. From 'Power On, 45 seconds to 'Ready' state on LCD panel
<b>Print resolution</b>	600 x 600 dpi - up to 2400 Image Quality
<b>User interface</b>	2 line x 16 character backlit LCD text, 2 button / 5 way cursor keypad
<b>Data streams</b>	PCL® 6 emulation (includes PCL 5e), PostScript® 3 emulation, 32 bit and 64 bit
<b>Processor</b>	400 MHz
<b>Memory (RAM)</b>	128 MB standard, 1152 MB maximum
<b>Memory expansion</b>	Up to 1024 MB available for optional memory extension in one 200 pin DDR2 DIMM slot
<b>Printer disk storage</b>	An optional 40 GB printer disk is available, for local storage of fonts, forms and frequently printed documents (where supported by application software)
<b>Duty cycle</b>	Maximum 95 000 pages per month
<b>Paper Handling</b>	
<b>Standard input sources</b>	150 sheet multipurpose tray, 500 sheet covered drawer
<b>Additional input drawers</b>	Up to two optional drawers can be fitted (1 x 500 sheet, 1 x 1000 sheet), stacked vertically
<b>Maximum input capacity</b>	2150 sheets (150 multipurpose tray standard + 500 sheet drawer standard + optional 500 sheet drawer + optional 1000 sheet drawer)
<b>Duplex option (print both sides)</b>	Standard
<b>Maximum output capacity</b>	250 sheets
<b>Media Types Supported</b>	
<b>Multipurpose tray</b>	Paper or coated paper, transparencies, labels, envelopes, cardstock. Sizes supported: A4, B5, A5 - Envelopes DL, C5. Custom size: 89 mm to 216 mm (W), 140 mm to 356 mm (L), paper weight 60 to 215 gsm
<b>Standard 500 sheet drawer</b>	A4, B5, A5: paper weight 60 to 160 gsm
<b>Optional 500 sheet drawer</b>	A4, B5, A5: paper weight 60 to 160 gsm
<b>Optional 1000 sheet drawer</b>	A4, B5, A5: paper weight 60 to 160 gsm
<b>Duplex unit (print both sides)</b>	A4, B5, A5: Custom size: 89 mm to 216 mm (W), 140 mm to 356 mm (L), paper weight 65 to 160 gsm
<b>Page layout options</b>	Portrait or Landscape orientation, multiple copies, duplex printing (print both sides), multipage printing (N-up), booklet printing, watermarks, overlays
<b>Printable area</b>	Maximum printable area 208 mm x 347 mm
<b>Edge of paper margins</b>	Top, 4 mm; bottom, 4 mm; left, 4 mm; right, 4 mm
<b>Connectivity</b>	
<b>Interfaces</b>	Hi-Speed USB 2.0 port, Ethernet 10/100 BaseT port, IEEE 1284 Parallel Port (cables not included)
<b>Print languages and fonts</b>	HP PCL® 5e/6 emulation, 81 fonts; PostScript® 3 emulation, 136 fonts
<b>Client Operating Systems (OS)</b>	Microsoft® Windows XP SP1-2, XP 64 bit, NT 4.0 SP6a, 2000 SP2-4, Server 2003 SP1, Server 2003 x64, Mac OS X, UNIX® (Solaris™ 10, HP-UX11i), Linux (Red Hat® 8/9, SuSE 9, TurboLinux 10)
<b>Network Operating Systems (OS)</b>	Microsoft® Windows NT 4.0 SP6a, 2000 SP2-4, Server 2003 SP1, Server 2003 x64, UNIX® (Solaris™ 10, HP-UX11i), Linux (Red Hat® 8/9, SuSE 9, TurboLinux 10), Netware Ver 3-6.5 <i>Latest printer drivers available from <a href="http://support.euro.dell.com">http://support.euro.dell.com</a></i>
<b>Network protocols</b>	TCP/IP & UDP/IP (LPD, Port9100, IPP®, SMB®, Netware v5 and above, FTP, HTTP, HTTPS®, RARP, AutoIP, WINS®, SMTP, FTP, DDNS®, SNMP, DHCP, BOOTP (mDNS®); NetBEUI (SMB®); Netware P-server®; Ethernal®; AppleTalk®
<b>Wireless options</b>	Dell Wireless Printer Adapter 3310 USB <sup>2</sup> - IEEE 802.11b/g. Security Protocols: WPA - PSK (TKIP or AES), WEP (64 bit and 128 bit)
<b>Consumables</b>	
<b>Toner management</b>	Features include toner level reporting, low toner alerts, auto-generated alert e-mails, toner conservation and the Dell Toner Management System™
<b>Shipped toner cartridge capacity<sup>3</sup></b>	Standard capacity black toner cartridge (approximately 10 000 pages) and one each of cyan, magenta and yellow colour toner cartridges (approximately 8000 pages each)

<b>Standard capacity toner cartridge<sup>3</sup></b>	Standard capacity black toner cartridge is approximately 10 000 pages and colour toner cartridges (cyan, magenta and yellow) are approximately 8000 pages each
<b>High capacity toner cartridge<sup>3</sup></b>	High capacity black toner cartridge is approximately 18 000 pages and colour toner cartridges (cyan, magenta and yellow) are approximately 12 000 pages each
<b>Additional toner</b>	Available through Dell online or by telephone
<b>Toner recycling</b>	Toner cartridges are recyclable using Dell's recycling programme, details of which are included with each product
<b>Additional consumables</b>	An imaging drum and a bias transfer roller are shipped with each new printer; replacement of both items will be required after approximately 35 000 print impressions (may vary with usage and environmental conditions). Both are combined into one consumable package, available through your Dell supplies order point
<b>Languages and regulatory</b>	
<b>Printer firmware, LCD operator panel</b>	English, French, Italian, German, Spanish, Danish, Dutch, Finnish, Norwegian, Polish, (Iberian) Portuguese, Swedish
<b>Printer software</b>	English, French, Italian, German, Spanish, Danish, Dutch, Finnish, Norwegian, Polish, (Iberian) Portuguese, Swedish
<b>User documentation</b>	<i>Basic set-up and safety instructions</i> English, French, Italian, German, Spanish, Czech, Danish, Dutch, Finnish, Norwegian, Polish, Swedish, Portuguese (varies by destination country) <i>Hardcopy user manual</i> in English, French, Italian, German, Spanish (varies by destination country), <i>Softcopy Quick Reference Guide on driver CD</i> in English, French, Italian, German, Spanish, Danish, Dutch, Norwegian, Swedish
<b>Safety certifications</b>	IEC/EN60950-1:2001 (International); IEC60825-1 (Laser); CE Mark (EU); Nemko (Nordic); GS Mark (Germany); GOST and Hygienic (Russia); SASO (Saudi Arabia); SABS (South Africa); SII (Israel); UL/cUL listed (UL60950-1 US/Canada); FDA/DHHS (21CFR, Chapter 1, Subchapter J, Class-1 Laser, US); NOM (Mexico)
<b>EMC certifications</b>	CE mark (EU countries) [EN55022:1994 Class B+A1:1995+A2:1997; EN61000-3-2:2000; EN 61000-3-3:1995+A1:2001; EN55024:1998+A1:2001+A2:2003]; FCC CFR Title 47, Part 15 Class B (USA); ICES-003, Issue 4 (Canada); GOST (Russia); SABS (South Africa); C-Tick (Australia)
<b>Other certifications and compliances</b>	WHQL, Printer MIB, RoHS compliant <sup>4</sup> , Energy Star®-compliant, Blue Angel (Germany), SAP, Novell Yes Certification, Section 508, Citrix Metaframe XP Presentation Server, Citrix Metaframe Presentation Server 3.0, Citrix Metaframe XP 1.0 (Windows Server 2000/2003 running Terminal Services/Server)
<b>Printer management</b>	
<b>Compatible printer management software</b>	Dell OpenManage™ Printer Manager <sup>5</sup> , Dell Printer Configuration Web Tool; Dell ColourTrack™ 2 and Dell Toner Management System™ HP Openview, CA Unicenter, IBM Tivoli, Printer MIB
<b>Service options</b>	
<b>Standard Service</b>	24 x 7 online Technical Support, 12 months Next Business Day onsite service <sup>6</sup> and 12 months Telephone Technical support.
<b>Service Options</b>	Two, three, four and five-year extended service options available. Upgrades available to one, two, three, four and five-year Business Support. Optional installation service available.
<b>Fuser maintenance</b>	Dell Laser Printer next business day service includes fuser maintenance parts and part replacement for the duration of the service contract
<b>Physical specifications</b>	
<b>Dimensions</b>	<i>Printer:</i> 429 mm W x 580 mm D x 497 mm H. <i>Shipping carton:</i> 880 mm W x 857 mm D x 646 mm H
<b>Weight</b>	32.4 kg including standard toner cartridge; shipping weight 43.5 kg (slight variations depending upon versions of manuals shipped with printer)
<b>Operating environment</b>	<i>Operating:</i> air temperature 5°C to 32°C. Relative Humidity 15-85% non-condensing, altitude 3100 m or less. <i>Storage (unpacked):</i> air temperature 0°C to 35°C. Relative Humidity 15-80%, altitude 3100 m or less
<b>Acoustics</b>	<i>Printing (Simplex mode):</i> Average Sound Power (LWAm), declared <sup>7</sup> 6.8 Bels (68.0 dB) <i>Standby Mode:</i> Average Sound Power (LWAm), declared <sup>7</sup> 5.0 Bels (50 dB)
<b>Voltage</b>	220-240 v, 47 to 63 Hz nominal. Power cord included with shipped printer
<b>Power consumption</b>	Continuous printing 600 W: Standby mode 45 W: Powersaver mode 5 W or less: Off 0 W. Energy Star®-compliant
<b>Maximum current while printing</b>	5.0 A at 230 v AC
<b>Power Save options</b>	User-definable - 5-60 minutes (default 5 min)

### Notes

<sup>1</sup> Print speed quoted refers to single-sided A4 page using default print mode (600 x 600 dpi). Mono speed based on 'Black' output mode and colour speed on 'Colour' output mode. Actual print speed may vary depending upon system configuration, software application and document complexity.

<sup>2</sup> Requires optional multi-protocol card.

<sup>3</sup> Black and colour toner yield based on Quality Logic internal testing methodology. Yields vary with usage and environmental conditions.

<sup>4</sup> Meets the requirement of the EU Directive on the restriction of use of certain hazardous substances in electrical and electronic equipment dated 27 January 2003.

<sup>5</sup> Dell OpenManage™ Printer Manager software is available in English only; support is available for this product in France, Germany and the United Kingdom.

<sup>6</sup> Service may be provided by third party. Technician will be dispatched if necessary following phone-based troubleshooting. Subject to parts availability, geographical restrictions and terms of service contract. Service timing dependent upon time of day call placed to Dell. Defective unit must be returned. Replacements may be refurbished.

<sup>7</sup> Tested in accordance with ISO 7779 and reported in accordance with ISO 9296, Acoustics - Declared noise emission values of computer and business equipment.

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